

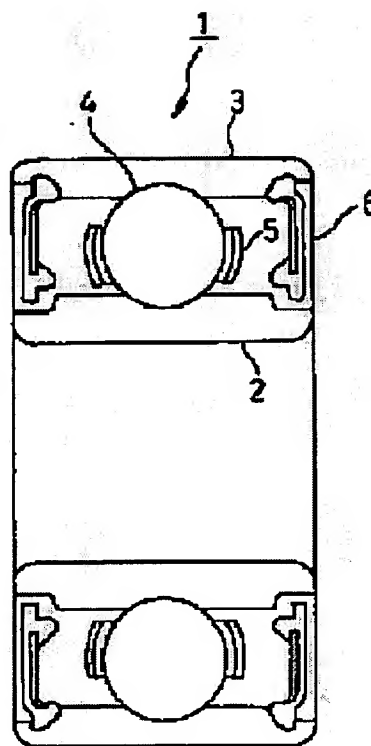
BALL BEARING

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- european:
Application number: JP19970267111 19970930
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Abstract of JP11101250

PROBLEM TO BE SOLVED: To provide a ball bearing to reduce the occurrence of oscillation of an irrotational synchronous component, suppress the occurrence of fretting damage and the increase of the generation of noise, and reduce the generation of torque and a torque fluctuation, and further reduce the generation of torque and the torque fluctuation.
SOLUTION: This bearing is constituted such that inner and outer rings 2 and 3 are formed of a metal, such as a high carbon chrome bearing steel or a stainless steel. A plurality of balls 4 arranged between the inner and outer rings is formed of a metal or ceramic having surface hardness of Hv 900 or more, preferably Hv 950 or more, and a gap between the inner and outer rings is filled with a lubricant equivalent to that of 10% or less of a space volume between the inner and outer ring.



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